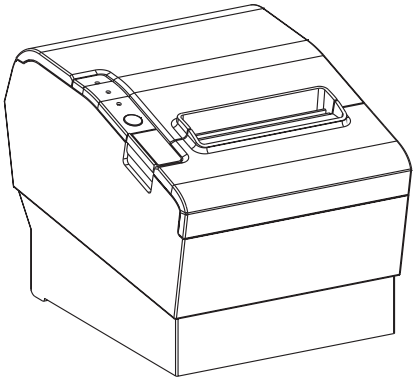
User's Manual

P11-USL

THERMAL RECEIPT PRINTER



Proficient in Commercial POS Receipt Printers

1.Safety Notice:

* Don't touch the printer head with anything.
* Don't touch the cutter blade.
* Don't bend the power cord excessively or place any heavy objects onto it.
* Don't use the printer when it is out of order. This can cause a fire or and electrocution.
* When connecting or disconnecting the plug, always hold the plug but not the cord.
* Keep the desiccant out of children's reach.
* Use only approved accessories and do not try to disassemble, repair or remodel it by yourself.
* Install the printer on the stable surface. Choose firm, level surface where avoid vibration.
* Don't let water or other foreign objects into the printer.
* Don't connect a telephone line into the peripheral drive connector.
* We recommend that you unplug the printer from the power outlet if no use it for a long period .

2. Applications:

* POS system Receipts
* EFT POS system Receipts
* Gym, post, hospital, civil aviation system Receipts
* Inquiry, Service system Receipts
* Instrument test Receipts
* Tax, Tab Receipts

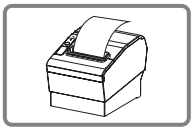
3. Unpacking

After unpacking the unit, check that all the necessary accessories are included in the package.

User's Manual	1 PCS
Printer	1 PCS
Data Cable	1 PCS
Power Adapter (include power cord)	1 SET

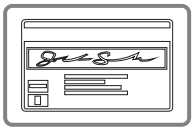
4. Features

* 250mm/sec high-speed printing
* High print quality
* Low working noise
* Support cashdrawer kick-out
* Easy maintenance
* Various interface available (Seria+USB+Ethernet/Parallel+USB)
* Built-in data buffer
* Support character enlargement, bold, underline, line spacing and character spacing
* Support NV images download
* Low energy consumption and low operation cost
* Compatible with ESC/POS command set
* Character per line and character set can be set by DIP switches
* Support Ethernet Printing status monitor, multiple connection printing and OPOS printing
* Support printer identification, software binding and high-speed driver mode
* Support various character sets (include GB18030)
* High speed driver printing mode, 66%Improvement in print speed though serial port
* Connect and print Faster, stop receipt misprinting
* Built in web page to set up printer directly



Support paper near end detection

High-speed Printing



Printer Identification

Multiple Connection Printing

OPOS Driver

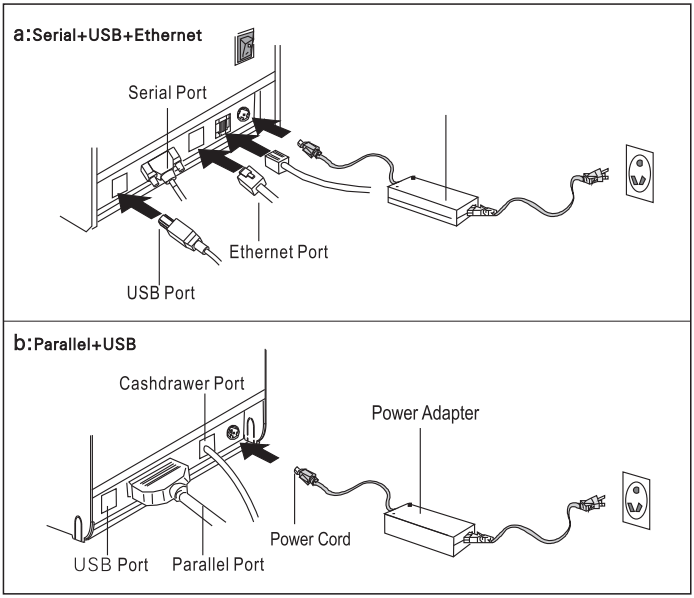
Various Character Sets

5.Specifications

Model	P11-USL
Paper end detection	Support
Printing speed	250mm/sec
Paper roll	**Paper width:** 79.5+0.5mm **Max diameter:** 83mm
Printing width	72mm/64mm
Dot pitch	576dots / line&512dots / line
Character size	ANK Character, **Font A:** 12×24dots, **Font B:** 9×17dots, **Chinese:** 24×24dots
Print command	Compatible with ESC/POS
Interface	Serial+USB+Ethernet;Parallel+USB
Auto cutter	Partial
Reliability print	150Km
Barcode mode	UPC-A/UPC-E/JAN13(EAN13)/JAN8(EAN8)/ CODE39/ITF/CODABAR/CODE93/CODE128
Paper thickness	0.06~0.08mm
Powersupply	DC 24V/2A
Power adapter	**Input:** AC110V～220V, 50～60HZ **Output:** DC 24V/2A
Cash drawer	DC 24V/1A
Work temperature	**Temperature:** 0~45℃, **Dampness:** 10~80%
Storage temperature	**Temperature:** -10~60℃, **Dampness:** 10~90%
Dimensions	142 X 200 X 142mm(W×D×H)

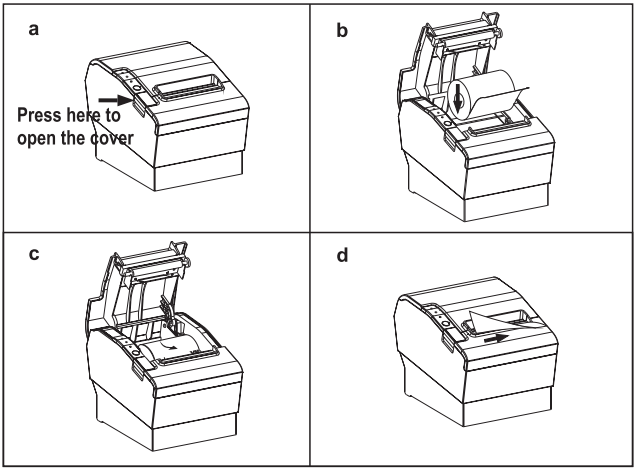
6. Printer Connection

- Plug the DC cord connector into the printer's power connector.
- Plug the data cable connector into the printer's interface connector.
- Plug the drawer cable into the drawer kick-out connector on the back of the printer next to the interface connector.



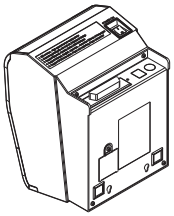
7. Installing the roll paper

a. Press the button to open the top cover.
b. Install the roller in the roll paper, and put them into the printer.
c. Pull out some paper outside the printer and then close the printer cover.
d. Close the top cover. Press the printer cover to avoid error position of roll paper.

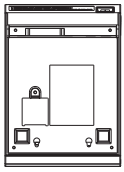


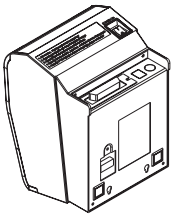
8. Setting the Printing Mode (DIP switches)

The DIP switches are used to set the printer to perform various functions, such as cutter mode, character set, speed, beeper, print density and etc.



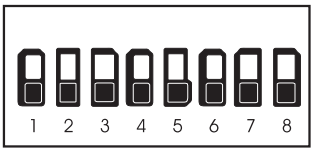
1. Remove the DIP switches cover on the bottom of the printer.





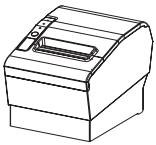
2. DIP switches setting.

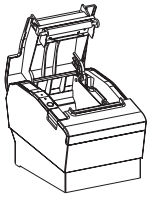
DIP SWITCH SETTINGS
BAUDRATE SETTINGS



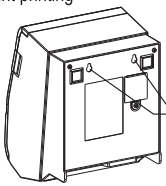
9. Printer Installation

a. Flat Printing



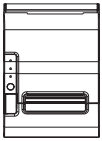


b. Wall mount printing

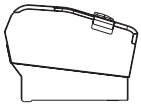


There are two holders for wall mounting

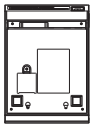
10. Printer View



Top View

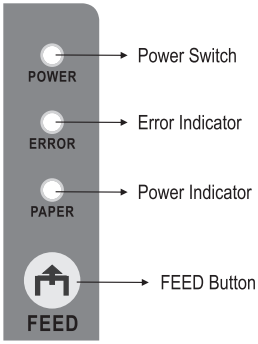


Side View



Bottom view

11. Buttons and Indicators



12. Functions of buttons and indicators

（1）**. FEED Button**
Press to feed paper manually.

（2）**. PAPER Indicator**
When this indicator is lighting as well as the ERROR indicator, printer is out of paper.
When this indicator is dim as well as the ERROR indicator, printer has paper.
When this indicator is lighting but the ERROR indicator is dim, roll paper is near end.

（3）**. POWER Indicator**
When this indicator lights, the printer is turned on.
When this indicator dims, the printer is turned off.

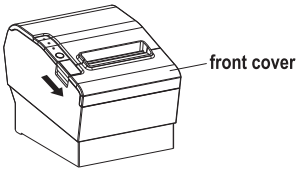
（4）**. ERROR Indicator**
When printer is in the status of paper out, cutter error or print head overheat, this indicator is flashing according to user's defined setting.

13. Cutter Maintenance

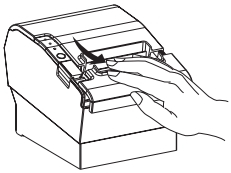
Step（1）
a. Turn off then on the printer, the printer will initialize and reset the cutter.

Step （2）
a. Open the front cover.
b. Wheel the gear on the cutter to make the cutter back to initial position. Open the printer cover and install roll paper correctly, then the printer works normally.

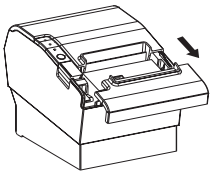
⚠ **Caution:** Do not open the printer cover by force, so as not to damage the print head and auto cutter.



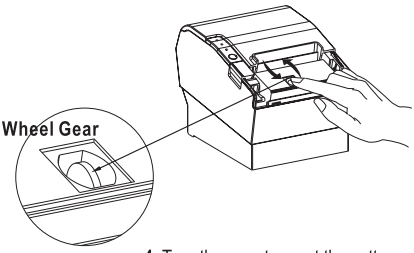
1. The front cover is on the top of the printer



2. Open the front cover by the arrow direction



3. After the front cover is opened



4. Turn the gear to reset the cutter

14. Professional Functions

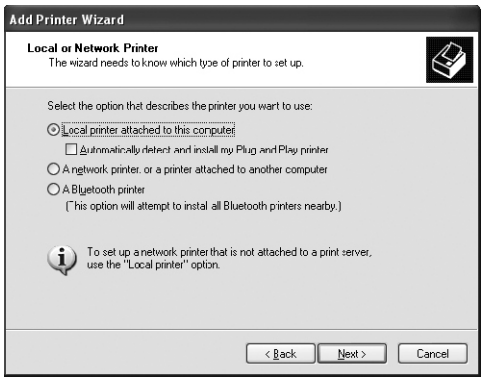
a. 250mm/sec high-speed printing
b. Support Kitchen Printing, Ethernet Printing, and various interfaces

15. Driver Setup

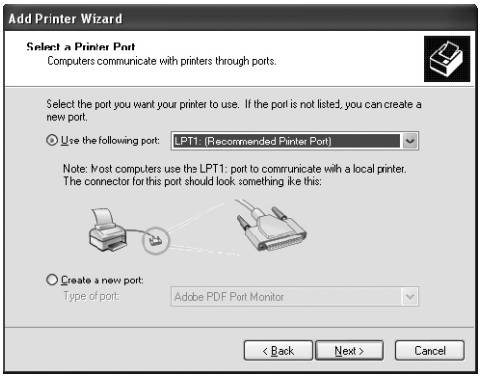
a. Run the printer Setup Guide and click "Next" to continue

Add Printer Wizard
Welcome to the Add Printer Wizard
This wizard helps you install a printer or make printer connections.
If you have a Plug and Play printer that connects through a USB port (or any other hot pluggable port, such as IEEE 1394, infrared, and so on), you do not need to use this wizard. Click Cancel to close the wizard, and then plug the printer's cable into your computer or point the printer toward your computer's infrared port, and turn the printer on. Windows will automatically install the printer for you.
To continue, click Next
< Back
Next >
Cancel

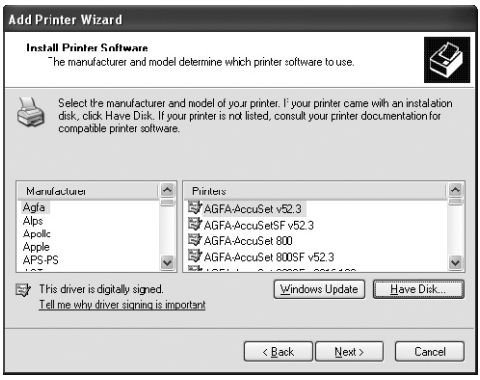
b. Choose the printer that you're using and click "Next" to continue


Add Printer Wizard
Local or Network Printer
The wizard needs to know which type of printer to set up.
Select the option that describes the printer you want to use:
Local printer attached to this computer
Automatically detect and install my Plug and Play printer
A network printer, or a printer attached to another computer
A Bluetooth printer
(This option will attempt to install all Bluetooth printers nearby.)
To set up a network printer that is not attached to a print server, use the "Local printer" option.
< Back
Next >
Cancel

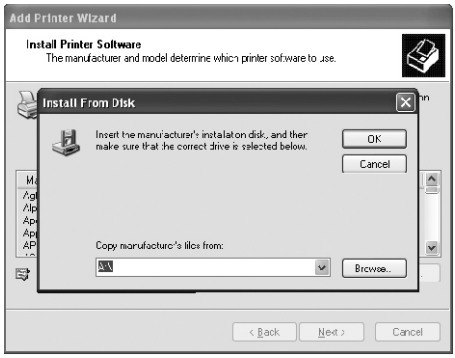
c. Choose the printer port to continue


Add Printer Wizard
Select a Printer Port
Computers communicate with printers through ports.
Select the port you want your printer to use. If the port is not listed, you can create a new port.
Use the following port:
LPT1: (Recommended Printer Port)
Note: Most computers use the LPT1: port to communicate with a local printer. The connector for this port should look something like this:
Create a new port:
Type of port:
Adobe PDF Port Monitor
< Back
Next >
Cancel

d. Click "install from disk"to continue


Add Printer Wizard
Install Printer Software
The manufacturer and model determine which printer software to use.
Select the manufacturer and model of your printer. If your printer came with an instalation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software.
Manufacturers
Agfa
Alps
Apollo
Apple
APS-PS
Printers
AGFA-AccuSet v52.3
AGFA-AccuSetSF v52.3
AGFA-AccuSet 800
AGFA-AccuSet 800SF v52.3
This driver is digitally signed.
Tell me why driver signing is important
Windows Update
Have Disk...
< Back
Next >
Cancel

e.Insert the bundled driver CD into the CD-ROM drive to begin the installation


Add Printer Wizard
Install Printer Software
The manufacturer and model determine which printer software to use.
Install From Disk
Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.
OK
Cancel
Copy manufacturer's files from:
Browse...
< Back
Next >
Cancel

f. Choose your printer model to continue the printer software installation

Add Printer Wizard
Install Printer Software
The manufacturer and model determine which printer software to use.
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software.
Printers
P11-USL
This driver is not digitally signed!
Tell me why driver signing is important
Windows Update
Have Disk...
< Back
Next >
Cancel

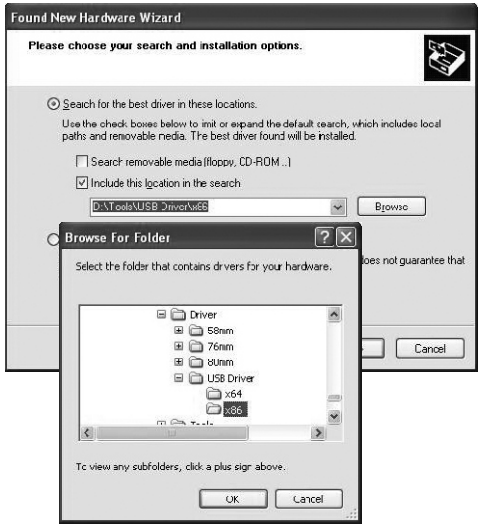
16. Virtual serial port driver Setup

a. When you connect P11-USL with USB port, 'Found New Hardware' will prompt at the bottom right of the computer.

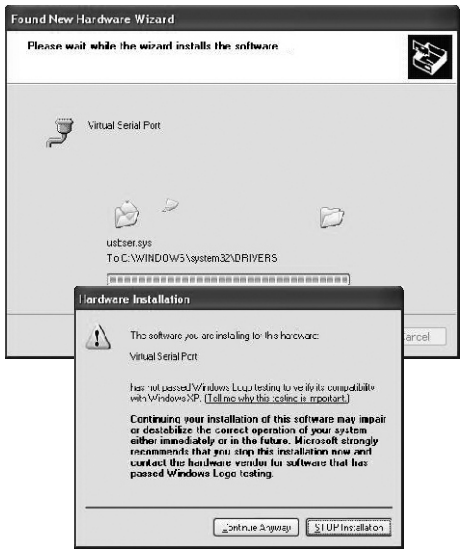
b. Choose 'Install from a list or specific location (Advanced)' and click 'Next' to continue.

Found New Hardware Wizard
This wizard helps you install software for:
Virtual Serial Port
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

c. Browse the folder that contains drivers for your hardware, and click 'Next' to continue the USB driver installation.

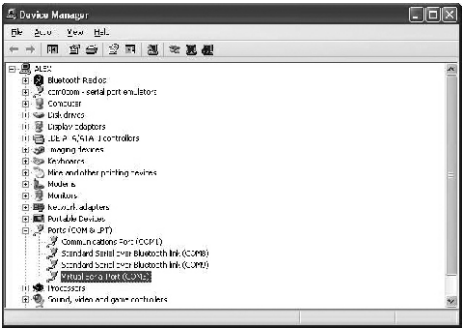

Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM ...)
Include this location in the search
D:\Tools\USB Driver\x86
Browse
Browse For Folder
Select the folder that contains drivers for your hardware.
Driver
58mm
76mm
80mm
USB Driver
x64
x86
To view any subfolders, click a plus sign above.
OK
Cancel
Cancel

d. Choose 'Continue Anyway' to continue the driver installation.


Found New Hardware Wizard
Please wait while the wizard installs the software...
Virtual Serial Port
usbser.sys
To C:\WINDOWS\system32\DRIVERS
Hardware Installation
The software you are installing for this hardware:
Virtual Serial Port
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

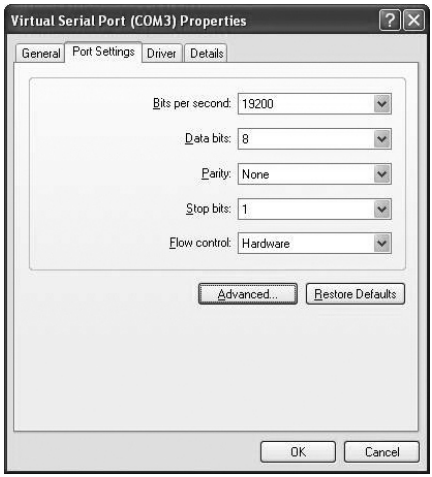
e. New hardware has finished installing and click Finish to close the wizard.

f. Then comes to Control Board ---- System---Hardware----Device Manager--- Ports (COM & LPT) ---Virtual Serial Port (COM3). Here you will find COM3 is the right port for printing.

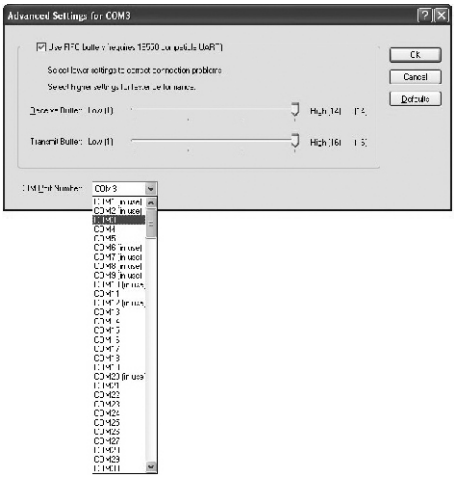


g. Double click 'Virtual Serial Port (COM3)', it will show 'Virtual Serial Port (COM3) Properties' dialog box.

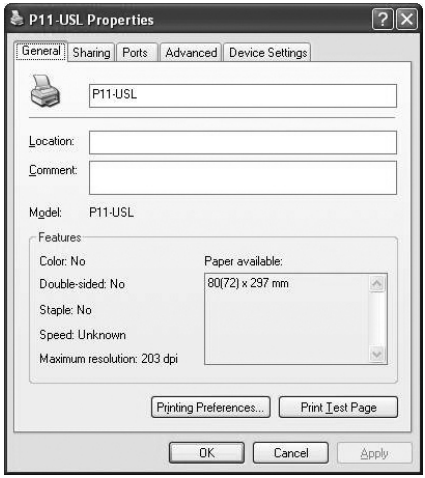
h. Choose 'Port Settings', and then choose 'Advanced'



I. Choose COM Port Number 'COM3'.



j. Open the Printer Propertities dialog box



k. Choose Ports, and then choose COM3: Serial Port